

Math 211
Quiz 15A

T 30 Jul 2019

Your name : _____

Exercise

(5 pt) Solve the initial value problem given by the homogeneous 3rd-order ODE

$$y''' + y'' - 6y' = 0$$

and the initial conditions

$$y(0) = 6,$$

$$y'(0) = 3,$$

$$y''(0) = 21.$$

Your final answer should be an explicit equation for $y(t)$.